SILAS WILLIAMS, JR. WILLIAM L. TAYLOR, JR. JAMES W. GENTRY, JR. E. BLAKE MOORE HOWELL G. CLEMENTS THOMAS S. KALE JOSEPH C. WILSON, III SCOTT N. BROWN, JR. W. FERBER TRACY FRED H. MOORE L. HALE HAMILTON ROBERT J. BOEHM ROSS I. SCHRAM III MARK A. RAMSEY RANDY CHENNAULT JOSEPH R. WHITE DAVID E. FOWLER ARTHUR P. BROCK ROBERT G. NORRED, JR. HOWELL DEAN CLEMENTS CARL FUGENE SHILES, JR. JOHN B. BENNETT SHAREL VANSANDT HOOPER

SUE ELLEN SCRUGGS STEPHANY S. PEDIGO DANIEL M. STEFANIUK LAW OFFICES

Spears, Moore, Rebman & Williams RE0'D TH

INCORPORATED

sixth floor pioneer bank building REGULATORY AUTH.

8TH AND CHESTNUT STREETS

'99 JUN 17 PM 2 22

P. O. BOX 1749 CHATTANOOGA, TENNESSEE 37401-1749

(423) 756-7000

OFFICE OF THE

(1944-1996) ALVIN O. MOORE

WILLIAM D. SPEARS

(1906-1992)

(1917-1992)

FORD P. MITCHELL (1930-1993)

MICHAEL W. BOEHM

FACSIMILE (423) 756-4801 EXECUTIVE SECRETARY

June 16, 1999

HOWELL G. CLEMENTS, P.C. PALMER OFFICE (931) 779-5333

VIA OVERNIGHT DELIVERY

Mr. K. David Waddell **Executive Secretary** Tennessee Regulatory Authority 460 James Robertson Parkway Nashville, Tennessee 37243-0505

In re: Chattanooga Gas Company - Petition for Revised Main and Service Line

Extension Rule; Case No. 96-01174

Dear Mr. Waddell:

Enclosed herewith, in 13 copies, is a final copy of the Rules and Regulations of Chattanooga Gas Company, TRA No. 2, which is filed pursuant to the Order of the TRA dated June 2, 1999. These have been finalized to be effective as of the date of the Order and include original or revised sheets 1 through 3 (including sheets 2 through 2J) and Appendix A, Pages 1 through 22.

We request that this be filed pursuant to the Order and made a part of Chattanooga Gas Company's Rules and Regulations, TRA No. 2.

If you have questions concerning this, please advise.

Very truly yours,

SPEARS, MOORE, REBMAN & WILLIAMS

WLT:rh **Enclosures** June 16, 1999 Page 2

cc.: Mr. Harry Thompson, President Chattanooga Gas Company 6125 Preservation Drive Chattanooga, TN 37416

> Mr. Earl Burton Chattanooga Gas Company 6125 Preservation Drive Chattanooga, TN 37416

Mr. Vance Broemel Consumer Advocate Division Office of the Attorney General 450 James Robertson Parkway Nashville, Tennessee 37243-0485

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REQUESTION AUTHOR

'99 JUN 17 PM 2 22

EXECUTIVE CONTANT

CHATTANOOGA GAS COMPANY

6125 Preservation Drive

Chattanooga, Tennessee 37416

TRA NO. 2

RULES AND REGULATIONS FOR THE COMPANY'S GAS SERVICE

IN

HAMILTON AND BRADLEY COUNTIES, TENNESSEE

Issued By: Harrison F. Thompson

Issued On:

JUN 16 1999

Effective:

APPLICABILITY

These rules and regulations are applicable to consumers served by the Chattanooga Gas Company within the Certificated areas in Bradley and Hamilton Counties.

DEFINITIONS

As herein used:

"Applicant"

means any person who has made application to Company for gas service.

"Company"

means Chattanooga Gas Company.

"Commission"

means Tennessee Regulatory Authority.

"Consumer"

means an individual, firm, or organization who purchases service at one

location under one rate classification contract.

"Customer"

"Residential Service" applies to consumers supplied for residential purposes on an individual basis in a single family dwelling or building, or in an individual flat or apartment in a multiple family dwelling or building or portion thereof occupied as the home, residence or sleeping place of one or more persons.

"Commercial Service" applies to consumers engaged in selling, warehousing, or distributing a commodity, in some business activity or in a profession, or in some other form of economic or social activity (office, stores, clubs, hotels, etc.), and to service which does not directly come in one of the other classifications of service.

"Industrial Service"

applies to consumers engaged in a process which creates or changes raw or unfinished materials into another form or product. (Factories, mills, machine shop, mines, oil wells, refineries, pumping plants, creameries, canning or packing plants, shipyards, etc., i.e., in extractive, fabricating or processing activities.)

"Distribution System" means the gas pipes owned and operated by the Company for the distribution of gas for delivery to consumers up to but not beyond the point

of delivery.

"Main"

means the gas pipe other than service line.

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DEFINITIONS (Continued)

means the outgoing side of the meter(s) or regulator(s) installed and "Point of Delivery"

maintained by the Company for the purpose of measuring gas delivered to

consumer.

"Service" means gas service.

"Special Contract" means a contract for service on forms furnished by the Company.

"Service Stub" means gas pipe laid from main to consumer's property line.

"Service Line" means the gas pipe laid from consumer's line to point of delivery.

<u>APPLICATION FOR SERVICE</u>

Service will be rendered by the Company upon application by the consumer for service and the acceptance thereof by the Company.

Company will make extensions of its distribution system pursuant to the provisions hereinafter set forth.

RESIDENTIAL MAIN AND SERVICE EXTENSIONS - EXPERIMENTAL RULE

Service lines and distribution mains necessary to furnish permanent service to Applicants for Residential Service within established service areas of the Company will be constructed by the Company in accordance with the following provisions:

A. **Definitions**

- Approach Main main constructed outside the property boundaries of the development (1) or premises of the Applicant for which gas service is requested.
- Project Main main constructed within the property boundaries of the development or (2) premises of the Applicant for which gas service is requested.
- Gas Consumption Bulletin a bulletin showing the estimated annual consumption of (3) various gas appliances by residential customers as determined from time to time by the Company.
- Infill Potential the estimated additional gas loads that will be served from the (4) Approach Main at locations outside the development or premises for which gas service is requested.

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(5) Revenues - Revenues shall be computed for the estimated annual consumption at the current rates excluding gas cost, other rider revenues and any taxes added to the customer's bill.

B. General

The Company will construct, own, operate and maintain gas distribution mains generally along public streets, roads and highways which the Company has the legal right to occupy and, at the Company's election, on public lands and private property across which rights-of-way satisfactory to the Company may be obtained without cost to the Company.

The Company will construct, own, operate and maintain a service line of suitable capacity from its distribution main to the curb or right-of-way line of a public street, highway, road or alley upon which the residential structure to be served faces and abuts at no cost to the Applicant. Additional facilities will be provided pursuant to the following provisions.

C. Extension of Main and Service

- (1) Calculation of Allowable Investment
 - a. The allowable investment in metering and regulating equipment, main and service line to be made by the Company without contribution or payment by the Applicant shall not exceed the Estimated Annual Revenues from the extension divided by the Levelized Annual Carrying Charge Rate applicable to the investment.
 - b. The Levelized Annual Carrying Charge Rate shall be calculated by using the weighted average cost of capital as determined in the Company's last rate proceeding adjusted for taxes and depreciation required to recover the Company's investment over the expected economic life of the investment as determined from time to time by the Company. These costs will be discounted at the cost of capital.
 - c. The required investment in metering and regulating equipment shall be based on engineering cost estimates as determined by the Company.
 - d. The cost per foot for service lines and main extensions will be based upon the system wide average unit cost per foot as determined by the Company from the actual installed cost of such service lines and mains for the latest three-year fiscal period of the Company.
 - e. Estimated Annual Revenues shall be based upon the usage of the appliance that the Applicant has committed contractually to install as shown in the applicable Gas Consumption Bulletin of the Company in Appendix A of the Rules and Regulations at the approved rates of the Company in effect when construction of the extension begins less certain direct expenses (meter reading, billing, etc.) and infrastructure expenses (right-of-way crossings, etc.) as approved from time to time.

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- f. To the extent that the extension required investment in Approach Main, Estimated Annual Revenues may also include Revenues associated with Infill Potential, as hereinafter defined, provided, however, that revenues associated with Infill Potential may not exceed fifty percent (50%) of Project Revenues.
- g. "Revenues Associated with Infill Potential" means revenues, adjusted for any additional costs, which, based upon analyses of the Company's extensions for residential service in comparable areas, can be expected within a five year period from the Approach Main in addition to Project Revenues.
- h. The economic life factor used in computing the Levelized Annual Carrying Charge Rate hereunder shall be 15 years where natural gas space heating is installed; 10 years where natural gas water heating is installed as the principal gas appliance and 5 years for any other equipment. The Company reserves the right to recognize any conditions that would make the use of a typical economic life factor imprudent.

(2) Order of Application

- a. The allowable investment shall be applied in the following order to the equipment and facilities required in the extension: metering and regulating equipment; service line; Project Main; and Approach Main.
- b. In the event that the allowable investment is not sufficient to cover the cost of the equipment and facilities required in the extension, the Applicant will be required to pay the excess costs, determined in accordance with the provision of subparagraph (1) above.

(3) Limitations

No allowable investment will be made for auxiliary or incidental uses of gas. The Company shall not be required to provide any connection to the Company's system where such connection may have an adverse impact on existing customers unless the Authority has prescribed a tariff provision designed to eliminate such adverse impact on existing customers.

(4) Length and Location

a. The length of main required for a main extension or the length of service line will

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be considered as the distance along the shortest practical route, as determined by the Company, from the Company's nearest distribution main capable, in the opinion of the Company, of properly supplying the Applicant. Irrespective of the total allowable investment, the Company shall not be required to extend a main or service line a greater distance than necessary in the judgment of the Company to serve an Applicant.

- b. The service line shall be of the size and type required to supply the principal requirements of the premises served, and shall extend from the curb to the first reasonably acceptable meter location as determined by the Company.
- c. Company reserves the right to designate the locations and specifications for the main taps, service lines, curb cocks, meters and regulators and to determine the amount of space which must be left unobstructed for the installation and maintenance thereof. Applicant may request an alteration of such designation and, if consented to by the Company, the cost of such revised designation in excess of the cost of the original Company design shall be borne by the Applicant regardless of whether the length of service line laid as requested by Applicant comes within the allowable investment provided in this rule.

(5) Extensions Beyond the Free Length

a. Payment Provisions

Extensions of mains or service lines beyond the allowable investment will be made by the Company provided that the Applicant pays to the Company the excess cost of such main or service lines. Such payment may be made over 36 months provided that the Applicant executes an appropriate finance agreement with the Company. Interest on unpaid balances shall accrue from the date construction is completed at a rate equal to the then existing prime rate (as defined in the Money Rates Section of the Wall Street Journal) plus 3 percent. The interest rate shall be adjusted on the 1st day of April of each succeeding year to the then existing prime rate plus 3 percent.

b. Adjustment of Allowable Investment and Payments

- (i) A survey will be made by the Company within one year after service is commenced to a Customer at a particular residential unit and in any event within three years after the date of completion of the main extension to determine the appliances or equipment in use at the development or premises of the Applicant served by the extension.
- (ii) If, based upon the appliances or equipment found to be in use, there is a lesser allowable investment than that originally granted and a payment is

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required in addition to any prior payment by the Applicant, such additional payment shall be paid by the Applicant.

(iii) The Company may grant a reasonable extension of time for the Applicant to install the appliances or equipment originally agreed upon, provided that the failure to install such appliances or equipment was due to reasons beyond the control of the Applicant.

c. No Refund of Payments

There will be no refunds associated with any payments, contributions or advances hereunder.

d. One Service Line for a Single Premises

The Company will not install more than one service line to supply the premises of an individual customer unless for the convenience of the Company or an Applicant requests an additional service line and, in the judgment of the Company, an unreasonable burden would be placed on the Applicant if the additional service line were not installed. When an additional service line is installed under these conditions at the Applicant's request, the Applicant shall pay for the entire length of said additional service line, meter and regulating equipment at the costs provided in subparagraph C (1) above.

e. Relocation of Service

- (i) When in the judgment of the Company the relocation of a service line, including metering and regulating facilities, is necessary to maintain adequate service or for the operating convenience of the Company, the Company shall relocate the same at its expense.
- (ii) If relocation of a service line, including metering and regulating facilities, is for the convenience of the Applicant or the Customer, such relocation shall be performed by the Company at the expense of the Applicant or the Customer.

D. Special Conditions

(1) Contracts

The Applicant will be required to execute a contract covering the terms under which the Company will install mains, services, metering and regulating equipment in accordance with the provisions of these Rules and Regulations. The contract will provide that the Applicant will install, commence using in a bona fide manner within six months after the date of the completion of the extension and continue to so use for

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a period of five years, those appliances and items on which the Company's allowable investment is based. Such contract will also provide that if the Applicant fails to take service or fails to install one or more of such appliances or items, the Company may calculate and bill the Applicant and the Applicant shall pay an amount according to the Company's residential main and service extension rules in effect at the time the extension was made as if service had been requested on the basis of the actual appliances and equipment installed and utilized. If the Applicant is a developer or builder, the Applicant will install all the appliances on which the extension was based within three years of completion of the total project or shall pay the Company in accordance with the provisions of subparagraph C (5) (b) above.

(2) Periodic Review

The Company will periodically determine the system wide average costs of construction of mains, services and metering and regulating equipment, and publish the average costs by April 1st of each year as Appendix A to this tariff and file those updates with the Tennessee Regulatory Authority with a proposed effective date of three months from the date of filing.

(3) Extension for Temporary Service

Extension for temporary service or for operations which in the Company's opinion are of a questionable permanence will not be made under this rule, but will be made in accordance with the rule pertaining to temporary service.

(4) Service From High Pressure Mains

Service shall be provided from a normal distribution facility of the Company. Company reserves the right, at its sole option, to refuse to extend facilities from any of its lines operating at pressures in excess of 125 pounds.

(5) Title to Facilities

Legal and equitable title to all mains installed by the Company upon which an advance, contribution, or other payment has been made, shall be and remain in the Company, and the Company shall have the right without the consent of, or any refund to, any party who made such advance, contribution, or other payment:

- a. To extend the gas main or connect additional gas mains to any part of it.
- b. To serve new additional customers at any time through service connections attached to such main or to extended or connected gas mains.

(6) Exceptional Cases

In unusual circumstances when the application of this rule appears impractical or unjust to either party, the Company or the Applicant may refer the matter to the

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Tennessee Regulatory Authority for special ruling thereon prior to commencing construction.

E. Filings with the Authority

Any filings required to be made with the Authority as a result of this rule shall be filed with the Authority on April 1 of each year. In the event the accounting records necessary to make the required filings are not available to the Company prior to the April 1 filing deadline, the Company shall receive an additional 15 days to file upon filing a written extension request with the Authority prior to April 1.

NON-RESIDENTIAL MAIN AND SERVICE EXTENSIONS - EXPERIMENTAL RULE

Service lines and distribution mains necessary to furnish permanent service to Applicants for Non-Residential Service within established service areas of the Company will be constructed by the Company in accordance with the following provisions:

A. General

The Company will construct, own, operate and maintain gas distribution mains generally along public streets, roads and highways which the Company has the legal right to occupy and, at the Company's election, on public lands and private property across which rights-of-way satisfactory to the Company may be obtained without cost to the Company.

The Company will construct, own, operate and maintain a service line of suitable capacity from its distribution main to the premises of the Applicant. All such main and service facilities will be provided pursuant to the following provisions.

B. Extension of Main and Service

(1) Calculation of Allowable Investment

a. The allowable investment in metering and regulating equipment, main and service line to be made by the Company without contribution or payment by the Applicant shall not exceed the Estimated Annual Revenues from the extension divided by the Levelized Annual Carrying Charge Rate applicable to the Investment.

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- b. The Levelized Annual Carrying Charge Rate shall be calculated by using the weighted average cost of capital as determined in the Company's last rate proceeding adjusted for taxes and depreciation required to recover the Company's investment over the expected economic life of such investment as determined from time to time by the Company. These costs will be discounted at the Company's cost of capital.
- c. The required investment in metering and regulating equipment shall be based upon engineering cost estimates as determined by the Company.
- d. The cost per foot for service lines and main extensions will be based upon the system wide average unit cost per foot as determined by the Company from the actual installed cost of such service lines and mains for the latest three-year fiscal period of the Company.
- e. The economic life factor used in computing the Levelized Annual Carrying Charge Rate hereunder shall be 15 years for firm service to apartments, office buildings, churches and schools; and ten years to any other firm service including mobile home parks. For interruptible service the economic life factor shall be five years. The Company reserves the right to adjust the economic life factors to recognize any conditions that would make the use of a typical economic life factor imprudent. The economic life of industrial service shall not be greater than the length of gas service contract in years.
- f. Estimated Annual Revenues shall be based upon the contractual commitment of the customer for annual consumption at the approved rates of the Company in effect when construction of the extension begins less certain direct expenses (meter reading, billing, etc.) and infrastructure expenses (right-of-way crossings, etc.) as approved from time to time.

(2) Order of Application

- a. The allowable investment shall be applied in the following order to the equipment and facilities required in the extension: metering and regulating equipment; service line; and main.
- b. In the event that the allowable investment is not sufficient to cover the cost of the equipment and facilities required in the extension, the Applicant will be required to pay the excess costs, determined in accordance with the provision of subparagraph (1) above.

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(3) Limitations

No allowable investment will be made for auxiliary or incidental uses of gas. The Company shall not be required to provide any connection to the Company's system where such connection may have an adverse impact on existing customers unless the Authority has prescribed a tariff provision designed to eliminate such adverse impact on existing customers.

(4) Length and Location

- a. The length of main required for a main extension or the length of service line will be considered as the distance along the shortest practical route, as determined by the Company, from the Company's nearest distribution main, capable in the opinion of the Company of properly supplying the Applicant. Irrespective of the total allowable investment, the Company shall not be required to extend a main or service line a greater distance than necessary in the judgment of the Company to serve an Applicant.
- b. The service line shall be of the size and type required to supply the principal requirements of the premises served, and shall extend from the Company's main to the first reasonable acceptable meter location as determined by the Company.
- c. Company reserves the right to designate the locations and specifications for the main taps, service lines, curb cocks, meters and regulators and to determine the amount of space which must be left unobstructed for the installation and maintenance thereof. Applicant may request an alteration of such designation and, if consented to by the Company, the cost of such revised designation in excess of the cost of the original Company design shall be borne by the Applicant regardless of whether the length of service line laid as requested by Applicant comes within the allowable investment provided in this rule. Further, the Company may require Applicant to provide both power and phone lines to the location of such metering facilities.

(5) Extensions Beyond the Free Length

a. Payment Provisions

Extensions of mains or service lines beyond the allowable investment will be made by the Company provided that the Applicant pays to the Company the excess cost of such main or service lines.

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b. Adjustment of Allowable Investment and Payments

- (i) Within one year after service is commenced to a customer, the Company will determine if the annual usage determined in accordance with Section B (I)(e) above has been met.
- (ii) If, based upon the above determination, there is a lesser allowable investment than that originally granted, and a payment is required in addition to the prior payment by the Applicant, if any, such additional shall be paid by the Applicant.
- (iii) The Company may grant a reasonable extension of time for the Applicant to raise annual consumption to the level agreed upon, provided that the failure to reach that level of consumption was due to reasons beyond the control of the Applicant.

c. No Refunds of Payments

There will be no refunds associated with any payments, contributions or advances hereunder.

d. One Service Line for a Single Premise

The Company will not install more than one service line to supply the premises of an individual customer unless for the convenience of the Company or an Applicant requests an additional service line and, in the judgment of the Company, an unreasonable burden would be placed on the Applicant if the additional service line were not installed. When an additional service line is installed under these conditions at the Applicant's request, the Applicant shall pay for the entire length of said additional service line, meter and regulating equipment at the costs provided in subparagraph B (1) above.

e. Relocation of Service

- (i) When in the judgment of the Company the relocation of a service line, including metering and regulating facilities, is necessary to maintain adequate service or for the operating convenience of the Company, the Company shall relocate the same at its expense.
- (ii) If relocation of a service line, including metering and regulating facilities, is for the convenience of the Applicant or the Customer, such relocation shall be performed by the Company at the expense of the Applicant or the Customer.

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C. Special Conditions

(1) Contracts

The Applicant will be required to execute a contract covering the terms under which the Company will install mains, services, metering and regulating equipment in

accordance with the provisions of these Rules and Regulations. The contract will provide that the Applicant will install, commence using in a bona fide manner within six months after the date of the completion of the extension and continue to so use for a period of five years, those appliances and items on which the Company's allowable investment is based. Such contract will also provide that if the Applicant fails to take service or fails to consume sufficient gas to produce the Estimated Annual Revenues, the Company may calculate and bill the Applicant and the Applicant shall pay an amount according to the Company's non-residential main and service extension rules in effect at the time the extension was made as if service had been requested on the basis of the actual equipment installed and utilized.

(2) Periodic Review

The Company will periodically determine the system wide average costs of construction of mains, services, and metering and regulating equipment, and publish the average costs by April 1st of each year as Appendix A to this tariff and file those updates with the Tennessee Regulatory Authority with a proposed effective date of three months from the date of filing.

(3) Extension for Temporary Service

Extension for temporary service or for operations which in the Company's opinion are of a questionable permanence will not be made under this rule, but will be made in accordance with the rule pertaining to temporary service.

(4) Service From High Pressure Mains

Service shall be provided from a normal distribution facility of the Company. Company reserves the right, at its sole option, to refuse to extend facilities from any of its lines operating at pressures in excess of 125 pounds.

(5) Title to Facilities

Legal and equitable title to all mains installed by the Company upon which an advance, contribution, or other payment has been made, shall be and remain in the Company, and the Company shall have the right without the consent of, or any refund to, any party who made such advance, contribution, or other payment:

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- a. To extend the gas main or connect additional gas mains to any part of it.
- b. To serve new additional customers at any time through service connections attached to such main or to extended or connected gas mains.

(6) Exceptional Cases

In unusual circumstances when the application of this rule appears impractical or unjust to either party, the Company or the Applicant may refer the matter to the

Tennessee Regulatory Authority for special ruling thereon prior to commencing construction.

D. Filings with the Authority

Any filings required to be made with the Authority as a result of this rule shall be filed with the Authority on April 1 of each year. In the event the accounting records necessary to make the required filings are not available to the Company prior to the April 1 filing deadline, the Company shall receive an additional 15 days to file upon filing a written extension request with the Authority prior to April 1.

SERVICE LINE

Service lines from the main to the meter will be laid by the Company, and will at all times remain subject to the control of the Company. It is not contemplated that in running service lines the Company will put risers in buildings when meters are set above the first floor, in cases of this kind the Company will run the service line to the ground floor or to the basement, but all expenses through and beyond the first floor foundation wall shall be borne by the customer. Service lines will be kept in repair by the Company at its own expense; but any alterations made necessary, such as changing of location, may be done at the customer's expense. The Company does not in any case hold itself responsible for a stoppage, from frost or other cause, of the service lines or house lines. The Company will employ all reasonable means of clearing the lines to the meter, when stopped from any cause. All lines beyond or leading from the meter must be cleared at the customer's expense.

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System Wide Average Installation Costs of Certain Mains and Services

Mains (Steel and Plastic)

Size	FY 1998	FY 1997	FY 1996	Three-year Average
2" and under	\$9.07	\$12.68	\$8.08	\$9.94
4"	\$9.84	\$18.53	\$12.21	\$13.53

Services (Steel and Plastic)

Size	FY 1998	FY 1997	FY 1996	Three-year Average
1-1/4" and under	\$10.47	\$9.40	\$7.93	\$9.27
2"	\$10.46	\$17.17	\$10.43	\$12.69

Rules and Regulations Appendix A Page 2 of 22 Effective: JUN 0 2 1999

MONTHLY CARRYING CHARGE PER UNIT NECESSARY TO COVER INCREMENTAL COSTS OF GAS PLANT INVESTMENT

CHATTANOOGA GAS COMPANY

COMPUTED PER \$1000

																Ef	fec	tiv	ve:	;	J	L
	15	14	13	12	11	10	9	90	7	6	u	•	ω	2	-	YEAR					METERS	
	66.67	133.33	200.00	266.67	333.33	400.00	466.67	533.33	600.00	666.67	733.33	800.00	866.67	933.33	1000.00	MENT	INVEST-					
756.00	6.30	12.60	18.90	25.20	31.50	37.80	44.10	50.40	56.70	63.00	69.30	75.60	81.90	88.20	94.50	9,45%	TAX	PROPERTY				
1000.00	66.67	66.67	66.67	66.67	66.67	66.67	66.67	66.67	66.67	66.67	66.67	66.67	66.67	66.67	66.67	6.67%	IATION	DEPREC-				
310.40	2.59	5.17	7.76	10.35	12.93	15.52	18.11	20.69	23.28	25.87	28.45	31.04	33.63	36.21	38.80	3.88%	DEBT	COST OF	WEIGHTED			
416.00	3.47	6.93	10.40	13.87	17.33	20.80	24.27	27.73	31.20	34.67	38.13	41.60	45.07	48.53	52.00	5.20%	EQUITY	ON	RETURN	WEIGHTED		
264,85	2.21	4.41	6.62	.e. 83	11.04	13.24	15.45	17.66	19.86	22.07	24.28	26.49	28.69	30.90	33.11	38.90%	TAX AT	INCOME	AND STATE	FEDERAL		******
2747.25	81.23	95.79	110.35	124.91	139.47	154.03	168.59	183.15	197.71	212.27	226.83	241.39	255.95	270.51	285.07	GETAX	PRIOR	NET				
41.21	1.22	1.44	1.66	1.87	2.09	2.31	2.53	2.75	2.97	3.18	3.40	3.62	3.84	4.06	4.28	1.5% GET						
2788.46	82.45	97.22	112.00	126.78	141.56	156.34	171.12	185.90	200.68	215.45	230.23	245.01	259.79	274.57	289.35	REQUIRED	REVENUE					

THE FACTOR USED TO CONVERT A PRESENT AMOUNT TO A 15 YEAR ANNUITY AT 9.08% . TO CONVERT THE \$1678.51 TO A LEVEL ANNUAL AMOUNT, IT IS NECESSARY TO DIVIDE BY 8.0228,

MONTHLY CARRYING CHARGE (TO BE ROUNDED FOR BILLING PURPOSES): ANNUAL CARRYING CHARGE: \$209.22

(2) DEPRECIATION COLUMN INCLUDES COST OF REMOVAL EXPENSE OF \$0.00 TOTAL. (1) PROPERTY TAX COLUMN INCLUDES A MAINTENANCE CHARGE OF 0.0680% PER YEAR.

DECE TAV.		CAPITAL STRUCTURE AND COST RATES:
	l	B
		COST
		RATES
		7.

0	REMOVAL EXP:
1,000	INVESTMENT:
15	NO. OF YEARS:
38.90%	FED & ST I/T:
5.20%	WTD ROE:
3.88%	WTD COD:
6.80%	O&M CHG:
2.65%	PROP TAX:

\$17.43

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MONTHLY CARRYING CHARGE PER UNIT NECESSARY TO COVER COMPUTED PER \$1000

CHATTANOOGA GAS COMPANY

MAIN YEAR 1000.00 933.33 866.67 800.00 733.33 666.67 600.00 533.33 400.00 333.33 23.22 20.64 18.06 25.80 28.38 30.96 33.54 36.12 1000.00 86.57 86.57 86.57 86.57 66.67 66.67 66.67 66.67 66.67 66.67 WEIGHTED COST OF DEBT 3.88% 310.40 25.87 38.80 36.21 31.04 INCREMENTAL COSTS OF GAS PLANT INVESTMENT EQUITY 5.20% 38.13 34.67 31.20 27.73 20.80 17.33 48.53 45.07 3/30/99 FEDERAL AND STATE INCOME TAX AT 38.90% 264.85 PRIOR G.E.TAX 218.43 207.59 2300.85 142.55 131.71 120.87 110.03 99.19 88.35 77.51 175.07 164.23 153.39 185.91 196.73 34.51 REVENUE REQUIRED 232.71 221.71 188.70 177.70 210.71 155.69 166.69 199.70 122.68 133.68 144.69 0.6476 0.5936 0.5442 0.4989 0.4574 0.4193 0.7063 0.7705 0.9168 15 YEARS AT 9.08% 1388.37 213.34 186.33 105.49 90.72 77.68 56.06 47.16 122.19 86. 141.06 162,35

CAPITAL STRUCTURE AND COST RATES

MONTHLY CARRYING CHARGE (TO BE ROUNDED FOR BILLING FURPOSES)

ANNUAL CARRYING CHARGE:

\$173.05

TO CONVERT THE \$1388.37 TO A LEVEL ANNUAL AMOUNT, IT IS NECESSARY TO DIVIDE BY 8.0228, THE FACTOR USED TO CONVERT A PRESENT AMOUNT TO A 15 YEAR ANNUITY AT 9.08%.

9.08%

2.65% 1.22% 3.88% 5.20%

PROP TAX:
O&M CHG:
WTD COD:

INVESTMENT: REMOVAL EXP

FED & ST I/T: WID ROE:

38.90%

NO. OF YEARS

(2) DEPRECIATION COLUMN INCLUDES COST OF REMOVAL EXPENSE OF \$0.00 TOTAL. (I) PROPERTY TAX COLUMN INCLUDES A MAINTENANCE CHARGE OF 0.0122% PER YEAR.

\$14.42

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SERVICES

LY CARYING CHARGE PER UNIT NECESSARY TO COVER INCREMENTAL COSTS OF GAS PLANT INVESTMENT COMPUTED PER \$1000

HINOM

309.60 38.70 36.12 33.54 30.96 23.38 25.30 20.64 18.06 115.48 112.90 10.32 7.74 1000.00 310.40 WEIGHTEL WEIGHTEL RETURN RETURN RETURN EQUITY \$2.000 48.53 48.53 48.57 41.50 38.13 31.20 27.73 20.50 27.73 20.50 2 416.00 264.85 2300.85 NET PRIOR GLETAX 229.27 218.43 207.59 196.75 185.91 175.07 164.23 183.29 1133.29 1133.29 1130.27 110.03 99.19 88.33 34.51 2335.36 232.71 221.71 210.71 199.70 144.69 133.68 122.68 111.68 100.68 89.67 78.67 07.1E1 155.69 166.69

PRESENT VALUE 9.08% 0.9168 0.7063 0.7063 0.6476 0.5936 0.5447 0.4989 0.4574 0.4193 0.4574 0.4274 0.4274

15 YEAR3
AN 19.08%
ANNUITY
213.34
182.35
141.06
122.19
102.49
90.77
77.68
66.18
66.18
66.08
47.16
39.36
32.53

1348.37

1000.00 933.33 866.67 800.00 733.33 666.67 600.00 533.33 466.67 400.00 333.33 266.67

CAPITAL STRUCTURE AND COST RATES:			
PROP TAX:	2.65%		
O&M CHG:	1.22%		
WTD COD:	3.88%	9.08%	
WTD ROE:	5.20%		
FED & ST VT:	38.90%		
NO. OF YEARS:	55		
INVESTMENT:	1,000		
REMOVAL EXP:	•		

(1) PROPERTY TAX COLUMN INCLUDES A MAINTENANCE CHARGE OF 0.0122% PER YEAR.
(2) DEPRECIATION COLUMN INCLUDES COST OF REMOVAL EXPENSE OF \$0.00 TOTAL.

MONTHLY CARRYING CHARGE (TO BE ROUNDED FOR BILLING PURPOSES)

\$14.42

ANNUAL CARRYING CHARGE:

TO CONVERT THE \$1388.37 TO A LEVEL ANNUAL AMOUNT. IT IS NECESSARY TO DIVIDE BY 8.0228, THE FACTOR USED TO CONVERT A PRESENT AMOUNT TO A 15 YEAR ANNUITY AT 9.08%.

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INCREMENTAL COSTS OF GAS PLANT INVESTMENT

COMPUTED PER \$1000

MONTHLY CARRYING CHARGE PER UNIT NECESSARY TO COVER

CHATTANOOGA GAS COMPANY

																Pa Ef					z Ji
						10	9	90	7	6	u	•	u	2	para .	YEAR					METERS
						100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00	900.00	1000.00	MENT	INVEST-				
519.75	0.00	0.00	0.00	0.00	0.00	9.45	18.90	28.35	37.80	47.25	56.70	66.15	75.60	85.05	94.50	9.45%	XAT	PROPERTY			
1000.00	0.00	0.00	0.00	0.00	0.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	10.00%	IATION	DEPREC-			
213.40	0.00	0.00	0.00	0.00	0.00	3.88	7.76	11.64	15.52	19.40	23.28	27.16	31.04	34.92	38.80	3.88%	DEBT	COST OF	WEIGHTED		
286.00	0.00	0.00	0.00	0.00	0.00	5.20	10.40	15.60	20.80	26.00	31.20	36.40	41.60	46.80	52.00	5.20%	EQUITY	ON O	RETURN	WEIGHTED	
182.09	0.00	0.00	0.00	0.00	0.00	3.31	6.62	9.93	13.24	16.55	19.86	23.17	26.49	29.80	33.11	38.90%	TAX AT	INCOME	AND STATE	FEDERAL	
2201.24	0.00	0.00	0.00	0.00	0.00	121.84	143.68	165.52	187.36	209.20	231.04	252.88	274.73	296.57	318.41	G.E.TAX	PRIOR	NET			
33.02	0.00	0.00	0.00	0.00	0.00	1.83	2.16	2.48	2.81	3.14	3.47	3.79	4.12	4.45	4.78	1.5% GET					
2234.25	0.00	0.00	0.00	0.00	0.00	123.67	145.84	168.00	190.17	212.34	234.51	256.68	278.85	301.01	323.18	REQUIRED	REVENUE				

TO CONVERT THE \$1529.21 TO A LEVEL ANNUAL AMOUNT, IT IS NECESSARY TO DIVIDE BY 6.3951,

ANNUAL CARRYING CHARGE: THE FACTOR USED TO CONVERT A PRESENT AMOUNT TO A 10 YEAR ANNUITY AT 9.08%.

CAPITAL STRUCTURE AND COST RATES:

(1) PROPERTY TAX COLUMN INCLUDES A MAINTENANCE CHARGE OF 0.0680% PER YEAR.
(2) DEPRECIATION COLUMN INCLUDES COST OF REMOVAL EXPENSE OF \$0.00 TOTAL.

MONTHLY CARRYING CHARGE (TO BE ROUNDED FOR BILLING PURPOSES):

0	REMOVAL EXP:
1,000	INVESTMENT:
10	NO. OF YEARS:
38.90%	FED & ST VT:
5.20%	WID ROE:
3.88%	WID COD:
6.80%	O&M CHG:
2.65%	PROP TAX:

9.08%

(F)

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MONTHLY CARRYING CHARGE PER UNIT NECESSARY TO COVER INCREMENTAL COSTS OF GAS PLANT INVESTMENT

CHATTANOOGA GAS COMPANY

NALINY ***********************************	1304.36		1922.75	28.42	1894.34	182.09	286.00	213.40	1000.00	212.85		
NAMEST PROPERTY DEPREC COST OF COST	e e	1,0000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No.	0.00	1.0000	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00		
PROPERTY DEPREC. COST OF ON INCOME PRUDRY PROPERTY DEPREC. COST OF ON INCOME PRUDRY P	0.00	1.0000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
PROPERTY WEIGHTED RETURN WEIGHTED RETURN WEIGHTED RETURN WEIGHTED RETURN WEIGHTED WEIGHTED RETURN WEIGHTED WEIGHTED	0.00	1.0000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
NATION PROPERTY DEPREC COST OF CONTINUE RETURN AND STATE PROPERTY DEPREC COST OF CONTINUE PROPERTY DEPREC COST OF CONTINUE PROPERTY DEPREC COST OF CONTINUE PROPERTY TAX LATION DEBT EQUITY TAX AT PRIOR PRIOR PRESENT PRESENT PROPERTY DEPREC COST OF CONTINUE PRIOR PRIOR PRESENT TAX LATION DEBT EQUITY TAX AT PRIOR TAX AT PRIOR PRESENT PROPERTY PRIOR PRESENT PRIOR PRIOR PRIOR PRESENT PRIOR PR	0.00	1.0000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
NAME	49.48	0.4193	118.00	1.74	116.26	3.31	5.20	3.88	100.00	3,87	100.00	5
NAMEST NATION DEPREC COMPUTED PER SIGNO STATE PROPERTY DEPREC COST OF ON INCOME NET NET	61.52	0.4574	134.51	1.98	132.52	6.62	10.40	7.76	100.00	7.74	200.00	vo
Note 1000,00 13.70 100,00 31.90 100,00 13.10 13.10	75.35	0.4989	151.01	2.23	148.78	9.93	15.60	11.64	100.00	11.61	300.00	•
NUMEST: TAX LATION DEPREC: COST OF CONSTITUEN PRIORITY DEPREC: COST OF COST	91.17	0.5442	167.52	2.48	165.04	13.24	20.80	15.52	100.00	15,48	400.00	7
NVEST- TAX IATION 10.00% 38.7% 100.00% 38.7% 100.00 31.4% 100.00% 31.6% 36.00 23.22 100.00 23.28 31.20 19.86 197.56	109.24	0.5936	184.02	2.72	181.30	16.55	26.00	19.40	100.00	19.35	500.00	۰
NVEST 10000 31.79 100.00 31.64 41.60 23.17 213.82 217.03	129.80	0.6476	200.53	2.96	197.56	19.86	31.20	23.28	100.00	23.22	600.00	u,
COMPUTED PER \$1000 130999	153,36	0.7063	217.03	3.21	213.82	23.17	36.40	27.16	100.00	27.09	700.00	•
NAME 100.00 38.70 100.00 34.83 100.00 34.83 100.00 34.83 100.00 34.83 100.00 34.83 100.00 34.83 100.00 34.83 100.00 34.83 100.00 34.83 100.00 34.83 100.00 34.83 100.00 34.83 100.00 34.83 100.00 34.83 100.00 34.83 100.00 34.80 29.80 24.635 20.00 24.635	179.94	0.7703	233.54	3.45	230.09	26.49	41.60	31.04	100.00	30.96	800.00	w
COMPUTED PER \$1000 13870 100.00 38.80 52.00 33.11 262.61 3.94 266.55 0.9168 1000.00 100.00 38.80 52.00 33.11 262.61 3.94 266.55 0.9168 1000.00 100.00	210.15	0.8404	250.04	3,70	246.35	29.80	46.80	34.92	100.00	34.83	900.00	2
COMPUTED PER \$1000 1/30/99 WEIGHTED FEDERAL WEIGHTED RETURN AND STATE PROPERTY DEPREC- COST OF ON INCOME NET INVEST- TAX LATION DEBT EQUITY TAX AT PRIOR REVENUE VALUE MENT 3.87% 10.00% 3.88% 5.20% 38.90% G.E.TAX 1.5% GET REQUIRED 9.08%	244.36	0.9168	266.55	3.94	262.61	33.11	52.00	38.80	100.00	38.70	1000.00	-
COMPUTED PER \$1000 1/30/99 WEIGHTED FEDERAL WEIGHTED RETURN AND STATE PROPERTY DEPREC- COST OF ON INCOME NET INVEST- TAX IATION DEBT EQUITY TAX AT PRIOR REVENUE VALUE	VINOIT	9.08%	REQUIRED	1.5% GET	G.E.TAX	38.90%	5.20%	3.88%	10.00%	3.87%	MENT	YEAR
COMPUTED PER \$1000 1/30/99 WEIGHTED FEDERAL WEIGHTED RETURN AND STATE PROPERTY DEPREC- COST OF ON INCOME NET	AT 9.08%	VALUE	REVENUE		PRIOR	TAX AT	PQUITY	DEBT	IATION	XAT	INVEST-	
COMPUTED PER \$1000 2/30/99 WEIGHTED FEDERAL WEIGHTED RETURN AND STATE	10 YEARS	PRESENT			NET	INCOME	ON	COST OF	DEPREC-	PROPERTY		
WEIGHTED 3/3						AND STATE	RETURN	WEIGHTED				
COMPUTE 3/3						FEDERAL	WEIGHTED					
COMPUTED PEN \$1000												MAIN
COMPUTED PEN \$1000						3/30/99						
						TED PER \$1000	COMPU					

CAPITAL STRUCTURE AND COST RATES:

(1) PROPERTY TAX COLUMN INCLUDES A MAINTENANCE CHARGE OF 0.0122% PER YEAR.
(2) DEPRECIATION COLUMN INCLUDES COST OF REMOVAL EXPENSE OF \$0.00 TOTAL.

MONTHLY CARRYING CHARGE (TO BE ROUNDED FOR BILLING PURPOSES):

ANNUAL CARRYING CHARGE:

\$200.96

TO CONVERT THE \$1304.36 TO A LEVEL ANNUAL AMOUNT, IT IS NECESSARY TO DIVIDE BY 6.3951, THE FACTOR USED TO CONVERT A PRESENT AMOUNT TO A 10 YEAR ANNUITY AT 9.08%.

NO. OF YEARS: INVESTMENT: REMOVAL EXP: PROP TAX:
O&M CHG:
WTD COD:
WTD ROE:
FED & ST I/T: 9.08%

\$17.00

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SERVICES

ΥEÆ

34.83 30.96 27.09 23.72 119.35 114.61 7.74 3.87 0.00 0.00

100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 0.00

31.04 27.16 23.28 19.40 115.52 111.64 7.76 3.88 0.00 0.00

262.61 246.33 230.09 213.82 197.56 181.30 165.04 148.78 132.52 116.26 0.00 0.00

167.52 151.01

184.02

VALUE 9.08% 0.9168 0.9168 0.7063 0.7063 0.7063 0.5476 0.5447 0.4574 0.4574 0.4574 0.4574 0.4574 0.4193 1.0000 1.0000 1.0000

244.36 210.15 1179.94 1153.30 129.85 109.24 91.17 75.35 61.52 49.48 0.00 0.00

266.53 250.04 233.54 217.03 200.53

1000.00 900.00 800.00 700.00 600.00 500.00 300.00 200.00

TO CONVERT THE \$1304.36 TO A LEVEL ANNUAL AMOUNT, IT IS NECESSARY TO DIVIDE BY 6.3951, THE FACTOR USED TO CONVERT A PRESENT AMOUNT TO A 10 YEAR ANNUITY AT 9.08%.

1000.00

213.40

286.00

182.09

1894.34

28.42

1922.75

1304,36

0.00 0.00 0.00 0.00

MONTHLY CARRYING CHARGE (TO BE ROUNDED FOR BILLING PURPOSES) ANNUAL CARRYING CHARGE: \$203.96

(1) PROPERTY TAX COLUMN INCLUDES A MAINTENANCE CHARGE OF 0.0122% PER YEAR.
(2) DEPRECIATION COLUMN INCLUDES COST OF REMOVAL EXPENSE OF \$0.00 TOTAL.

O&M CHO:
WTD COD:
WTD ROE:
FED & ST L/T:
NO. OF YEARS:
REMOVAL EXP:

38.90% 5.20%

9.08%

PROP TAX:

CAPITAL STRUCTURE AND COST RATES.

\$17.00

CHATTANOOGA GAS COMPANY

MONTHLY CARRITING CHARGE PER UNIT NECESSARY TO COVER INCREMENTAL COSTS OF GAS PLANT INVESTMENT COMPUTED PER \$1000



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YEAR

INVEST-

PROPERTY 1AX 3.87%

DEPREC-

20.00%

1000.00 **8**00.00 600.00

38.70 30.96 23.22

200.00 200.00 200.00

38.80 31.04 23.28 15.52 7.76

52.00 41.60 31.20 20.80 10.40

33.11 26.49 19.86 13.24 6.62

297.56 362.61 330.09

3.44 4.95 3.98 3.49

335.04 302.03 269.02 236.01

0.9168 0.8404 0.7705 0.7063 0.6476

281.58 337.41

232.71 190.02 152.83

368.05

REQUIRED

PRESENT VALUE 9.08%

AT 9.08% ANNUITY S YEARS

265.04 232.52

15.48 7.74

SERVICEMOBILE HOME

CHATTANOOGA GAS COMPANY

 3.88%	DEBT	COST OF	WEIGHTED				,	HINOW	
5.20%	EQUITY	ON	RETURN	WEIGHTED		сомри	NCREMENTAL COST	ILY CARRYING CHAR	
38.90%	TAX AT	INCOME	AND STATE	FEDERAL	4/21/99	COMPUTED PER \$1000	INCREMENTAL COSTS OF GAS PLANT INVESTIMENT	MONTHLY CARRYING CHARGE PER UNIT NECESSARY TO COVER	
GETAX	PRIOR	NET					STMENT	MRY TO COVER	
1.5% GET									

TO CONVERT THE \$1194.55 TO A LEVEL ANNUAL AMOUNT, IT IS NECESSARY TO DIVIDE BY 3.8816, ANNUAL CARRYING CHARGE: THE FACTOR USED TO CONVERT A PRESENT AMOUNT TO A 3 YEAR ANNUITY AT 9.08%. \$307.75

116.10

1000.00

116.40

156.00

99.32

1487.82

22.32

1510.14

1194.55

(1) PROPERTY TAX COLUMN INCLUDES A MAINTENANCE CHARGE OF 0.0122% PER YEAR.
(2) DEPRECIATION COLUMN INCLUDES COST OF REMOVAL EXPENSE OF \$0.00 TOTAL.

MONTHLY CARRYING CHARGE (TO BE ROUNDED FOR BILLING PURPOSES):

\$25.65

1.22% 3.88% 5.20%

2.65%

O&M CHG:

CAPITAL STRUCTURE AND COST RATES:

REMOVAL EXP INVESTMENT: NO. OF YEARS FED & ST I/T WTD ROE: WTD COD: PROP TAX:

9.08%

38.90%

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Chattanooga Gas Company Annual Meter Reading and Billing Costs

Rate(s)	Number of Customers	# Customers *Customer Weight	Allocation Factor	Cost per Customer
R-1	46944	46944	0.84298233	\$33.01
C-1	7860	7860	0.141143514	\$33.01
R-4	6	12	0.000215486	\$66.01
T-1,T-2,L-1,I-1	109	872	0.01565867	\$264.06
Totals	54919	55688	1	

Customer Weights	
R-1	1
C-1	1
R-4	2
T-1,T-2,L-1,I-1	8

Customer Account Expenses

Account 901	Supervision	\$21,064
Account 902	Meter Reading	\$295,520
Account 903	Records/Collections	\$100,727
Account 905	Misc. Expenses	\$586
Account 910	Customer Assistance Exp.	\$99,667
Account 911	Informational & Instructional Exp.	\$3 91
	Shared Services Allocation	\$1,320,143
Total		\$1,838,097

(from FERC Form II, 9/98)

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Chattanooga Gas Company Gas Consumption Bulletin Annual Therms

<u>Appliance</u>	Single Family Average Use Per Dwelling	Multi-Family Average Use Per Dwelling	Mobile/Mfg. Average Use Per Dwelling
*Space Heating	0.32	0.16	0.67
Water Heating	281	281	281
#Water Heater (Additional)	70	70	70
Cooking	40	40	40
Drying	41	41	41
Gas Light	154	154	154
Gas Heat Pump (Per 3-ton system) (Heating = 710, Cooling = 32)	1037 27)	1037	1037

^{*}The consumption for space heating is expressed in Therms per Conditioned Square Feet per Year. #(Minimum 30 gallon)

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Allowable Investment Single Family w/ WH

4000	3750	3500	3250	3000	2750	2500	2250	2000	1750	1500	1250	1000	Size (sq. ft.)
\$1,740	\$1,660	\$1,580	\$1,490	\$1,410	\$1,330	\$1,250	\$1,170	\$1,090	\$1,010	\$930	\$850	\$770	SH,WH
\$1,780	\$1,700	\$1,620	\$1,530	\$1,450	\$1,370	\$1,290	\$1,210	\$1,130	\$1,050	\$970	\$890	\$810	SH,WH C
\$1,930	\$1,850	\$1,770	\$1,690	\$1,610	\$1,530	\$1,450	\$1,370	\$1,290	\$1,210	\$1,120	\$1,040	\$960	SH,WH C,GL
\$1,890	\$1,810	\$1,730	\$1,650	\$1,570	\$1,490	\$1,410	\$1,330	\$1,250	\$1,160	\$1,080	\$1,000	\$920	SH,WH GL
\$1,970	\$1,890	\$1,810	\$1,730	\$1,650	\$1,570	\$1,490	\$1,410	\$1,330	\$1,250	\$1,170	\$1,080	\$1,000	SH,WH C,GL,DR
\$1,820	\$1,740	\$1,660	\$1,580	\$1,500	\$1,410	\$1,330	\$1,250	\$1,170	\$1,090	\$1,010	\$930	\$850	SH,WH C,DR
\$1,780	\$1,700	\$1,620	\$1,540	\$1,450	\$1,370	\$1,290	\$1,210	\$1,130	\$1,050	\$970	\$890	\$810	SH,WH DR

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W/WH	Multi-Family	UNIONADIC THACSHITCH
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1700	1600	1500	1400	1300	1200	1100	1000	900	800	700	600	500	Size (sq. ft.)
\$840	\$820	\$810	\$790	\$770	\$760	\$740	\$730	\$710	\$690	\$680	\$660	\$640	SH,WH
\$880	\$860	\$850	\$830	\$810	\$800	\$780	\$770	\$750	\$730	\$720	\$700	\$680	SH,WH C
\$1,030	\$1,020	\$1,000	\$990	\$970	\$950	\$940	\$920	\$910	\$890	\$870	\$860	\$840	SH,WH C,GL
\$990	\$980	\$960	\$950	\$930	\$910	\$900	\$880	\$860	\$850	\$830	\$820	\$800	SH,WH GL
\$1,080	\$1,060	\$1,040	\$1,030	\$1,010	\$1,000	\$980	\$960	\$950	\$930	\$910	\$900	\$880	SH,WH C,GL,DR
\$920	\$900	\$890	\$870	\$860	\$840	\$820	\$810	\$790	\$770	\$760	\$740	\$730	SH,WH C,DR
\$880	\$860	\$850	\$830	\$820	\$800	\$780	\$770	\$750	\$730	\$720	\$700	\$690	SH,WH DR

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W/WH	Mobile or Manufactured Homes	WHO MADIC THACSTRICHT
	ured Homes	STITIETT

								•
1100	1000	900	800	700	600	500	400	Size (sq. ft.)
\$670	\$630	\$590	\$550	\$520	\$480	\$440	\$400	SH,WH
\$690	\$650	\$610	\$580	\$540	\$500	\$460	\$420	SH,WH С
\$780	\$740	\$700	\$660	\$630	\$590	\$550	\$510	SH,WH C,GL
\$760	\$720	\$680	\$640	\$600	\$570	\$530	\$490	SH,WH GL
\$800	\$760	\$ 730	\$690	\$650	\$610	\$570	\$540	SH,WH C,GL,DR
\$710	\$680	\$640	\$600	\$560	\$520	\$490	\$450	SH,WH C,DR
\$690	\$650	\$ 620	\$580	\$540	\$500	\$460	\$420	SH,WH DR

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3750	,	3500	3250	3000	2750	2500	2250	2000	1750	1500	1250	1000	Size (sq. ft.)	
													e ft.)	
	\$840	\$770	\$700	\$630	\$560	\$490	\$430	\$360	\$290	\$220	\$150	\$80	HS	
	\$1,060	\$990	\$920	\$850	\$780	\$710	\$640	\$580	\$510	\$440	\$370	\$300	SH,C	
	\$1,190	\$1,120	\$1,050	\$980	\$910	\$850	\$780	\$710	\$640	\$570	\$500	\$430	SH,C,GL	
	\$1,150	\$1,090	\$1,020	\$950	\$880	\$810	\$740	\$670	\$600	\$540	\$470	\$400	SH,GL	Allowable Investment Single Family w/o WH
	\$1,220	\$1,150	\$1,090	\$1,020	\$950	\$880	\$810	\$740	\$670	\$610	\$540	\$470	SH,C GL,DR	westment mily H
	\$1,090	\$1,020	\$950	\$890	\$820	\$750	\$680	\$610	\$540	\$470	\$410	\$340	SH C,DR	
	\$1,060	\$990	\$920	\$850	\$780	\$710	\$650	\$580	\$510	\$440	\$370	\$300	SH,DR	
	\$80	\$80	\$80	\$80	\$80	\$80	\$80	\$80	\$80	\$80	\$80	\$80	C,SuppH SuppH	
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	SuppH	

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1700	1600	1500	1400	1300	1200	1100	1000	900	800	700	600	500	Size (sq. ft.)
\$160	\$150	\$140	\$120	\$110	\$ 90	\$80	\$70	\$50	\$ 40	\$30	\$10	\$ 0	HS
\$380	\$370	\$350	\$340	\$330	\$310	\$300	\$280	\$270	\$260	\$240	\$230	\$220	SH,C
\$510	\$500	\$490	\$470	\$460	\$440	\$430	\$420	\$400	\$390	\$380	\$360	\$350	SH,C,GL
\$480	\$460	\$450	\$440	\$420	\$410	\$400	\$380	\$370	\$350	\$340	\$330	\$310	SH,GL
\$550	\$530	\$520	\$510	\$490	\$480	\$470	\$450	\$440	\$420	\$410	\$400	\$380	SH,C GL,DR
\$420	\$400	\$390	\$370	\$360	\$350	\$330	\$320	\$310	\$290	\$280	\$260	\$250	SH C,DR
\$380	\$370	\$350	\$340	\$330	\$310	\$300	\$290	\$270	\$260	\$240	\$230	\$220	SH,DR
\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	С,ЅиррН ЅиррН
\$0	\$ 0	\$0	\$0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$0	SuppH

Allowable Investment Multi-Family w/o WH

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Allowable Investment Mobile or Manufactured Homes w/o WH

1100	1000	900	800	700	600	500	400	Size (sq. ft.)
\$290	\$250	\$220	\$180	\$140	\$100	\$60	\$30	SH
\$440	\$400	\$360	\$320	\$280	\$250	\$210	\$170	SH,C
\$520	\$490	\$450	\$410	\$370	\$330	\$300	\$260	SH,C,GL
\$500	\$460	\$430	\$390	\$350	\$310	\$270	\$230	SH,GL
\$550	\$510	\$470	\$430	\$400	\$360	\$320	\$280	SH,C GL,DR
\$460	\$420	\$380	\$350	\$310	\$270	\$230	\$190	SH C,DR
\$440	\$400	\$360	\$320	\$290	\$250	\$210	\$170	SH,DR
\$50	\$50	\$50	\$50	\$50	\$50	\$50	\$50	C,SuppH SuppH
\$ 0	\$ 0	\$ 0	\$0	\$0	\$ 0	\$ 0	\$0	SuppH

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Allowable Investment Single Family & Multi Family

4000	3750	3500	3250	3000	2750	2500	2250	2000	1750	1500	1250	1000	Size (sq.ft.)
\$0	\$ 0	\$0	\$0	\$ 0	\$ 0	\$ 0	\$0	\$ 0	\$ 0	\$ 0	\$ 0	\$0	SuppH
\$ 100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	C,SuppH
\$360	\$360	\$360	\$360	\$360	\$360	\$360	\$360	\$360	\$360	\$360	\$360	\$360	WH
\$410	\$410	\$410	\$410	\$410	\$410	\$410	\$410	\$410	\$410	\$410	\$410	\$410	WH SuppH
\$440	\$440	\$440	\$440	\$440	\$440	\$440	\$440	\$440	\$440	\$440	\$440	\$440	SuppH WH,C
\$570	\$570	\$570	\$570	\$570	\$570	\$570	\$570	\$570	\$570	\$570	\$570	\$570	SuppH WH,C,GL
\$540	\$540	\$540	\$540	\$540	\$540	\$540	\$540	\$540	\$540	\$540	\$540	\$540	SuppH WH,GL
\$610	\$610	\$610	\$610	\$610	\$610	\$610	\$610	\$610	\$610	\$610	\$610	\$610	SuppH,WH SuppH,WH SuppH,WH C,GL,DR C,DR DR
\$480	\$480	\$480	\$480	\$480	\$480	\$480	\$480	\$480	\$480	\$480	\$480	\$480	SuppH,WH C,DR
\$440	\$440	\$440	\$440	\$440	\$440	\$440	\$440	\$440	\$440	\$440	\$440	\$440	SuppH,WH DR
					1100	1000	900	800	700	600	500	400	Size sq.ft.

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Size sq.ft.	HddnS	SuppH С,SuppH	WH	MH SuppH	SuppH WH,C	SuppH WH,C,GL	SuppH WH,GL	SuppH,WH SuppH,WH SuppH,WH C,GL,DR C,DR DR	SuppH,WH C,DR	SuppH,WH DR
400	\$0	\$50	\$240	\$270	\$290	\$380	\$360	\$400	\$310	\$290
200	80	\$50	\$240	\$270	\$290	\$380	\$360	\$400	\$310	\$290
009	80	\$50	\$240	\$270	\$290	\$380	\$360	\$400	\$310	\$290
700	80	\$50	\$240	\$270	\$290	\$380	\$360	\$400	\$310	\$290
008	80	\$50	\$240	\$270	\$290	\$380	\$360	\$400	\$310	\$290
006	80	\$50	\$240	\$270	\$290	\$380	\$360	\$400	\$310	\$290
0001	80	\$50	\$240	\$270	\$290	\$380	\$360	\$400	\$310	\$290
1100	\$0	\$50	\$240	\$270	\$290	\$380	\$360	\$400	\$310	\$290

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Allowable Investment
Single Family & Multi-Family
For Gas HP

Gas Ht. Pu (3 ton unit)	Size sq. ft.
\$840	SH,AC
\$1,250	SH,WH AC
\$1,290	SH,WH AC,C
\$1,440	SH,WH AC,C,GL
\$1,400	SH,WH AC,GL
\$1,480	SH,WH,AC SH,WH C,GL,DR AC,C,DR
\$1,330	SH,WH AC,C,DR
\$1,290	SH,WH AC,DR

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6	\$750	\$830	\$790	\$810	\$720	\$700	
SH,WI AC,DI		SH,WH,AC SH,WH C,GL,DR AC,C,DR	SH,WH AC,GL	SH,WH AC,C,GL	SH,WH AC,C	SH,WH AC	
			red Homes	Allowable Investment Mobile or Manufactured Homes For Gas HP	Mobile or		

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Allowable Investment for Additional Gas Loads and Single Appliance Installations

Gas Dryer	Gas Dryer Only	Gas Grill	Gaslight	Gaslight only	Gas cooking	Gas cooking only	Gas water heater only	Each additional gas water heater (30 gallon min.)	Each additional 100 square feet gas SH only	Each additional 100 square feet gas SH,WH and others	Each additional 250 square feet gas SH only	Type of Appliance Each additional 250 square feet gas SH,WH, and others
\$40	\$30	\$20	\$130	\$120	\$40	\$30	\$360	\$70	NA	NA	\$70	Single Family Revenue \$80
\$40	\$30	\$20	\$130	\$120	\$40	\$30	\$360	\$70	\$10	\$20	NA	Multi- Family Revenue NA
\$30	\$20	\$10	\$90	\$80	\$20	\$20	\$240	\$40	\$40	\$40	NA	Mobile Family Revenue NA